8/15 #13

RAW SEQUENCE LISTING   DATE: 08/14/2002 P6
PATENT APPLICATION: US/09/988,115A   TIME: 14:44:37

Input Set : A:\50195.008003.SEQLIST.TXT
Output Set: N:\CRF4\08142002\I988115A.raw

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 4 <110> APPLICANT: Robl, James M.
 5        Goldsby, Richard A.
 6        Ferguson, Stacy E.
 7        Kuroiwa, Yoshima
 8        Tomizuka, Kazuma
 9        Ishida, Isao
11 <120> TITLE OF INVENTION: Expression of Xenogenous (Human)
12        Immunoglobulins in Cloned, Transgenic Ungulates
15 <130> FILE REFERENCE: 50195/008003
17 <140> CURRENT APPLICATION NUMBER: US 09/988,115A
18 <141> CURRENT FILING DATE: 2002-08-09
20 <150> PRIOR APPLICATION NUMBER: US 60/311,625
21 <151> PRIOR FILING DATE: 2001-08-09
23 <150> PRIOR APPLICATION NUMBER: US 60/256,458
24 <151> PRIOR FILING DATE: 2000-12-20
26 <150> PRIOR APPLICATION NUMBER: US 09/714,185
27 <151> PRIOR FILING DATE: 2000-11-17
29 <150> PRIOR APPLICATION NUMBER: US 60/166,410
30 <151> PRIOR FILING DATE: 1999-11-19
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38 <212> TYPE: DNA
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41 <220> FEATURE:
42 <223> OTHER INFORMATION: Synthetic Primer
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63 <220> FEATURE:
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C--> (line 18 marked)

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72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Synthetic Primer
77 <400> SEQUENCE: 4
78 gagagttgca gaaggggtyg act                                     23
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83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic Primer
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89 accacctatg acagcgtgac                                         20
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93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
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100 gtggcagcaa gtagacatcg                                        20
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104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
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111 gtcatcatct ctgccccttc tg                                     22
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115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic Primer
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129 <220> FEATURE:
130 <223> OTHER INFORMATION: Synthetic Primer
132 <400> SEQUENCE: 9
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140 <220> FEATURE:
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144 caccgtgctc tcatcggatg                                          20
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148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Synthetic Primer
154 <400> SEQUENCE: 11
155 caggtgcagc tggtggagtc tgg                                      23
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159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Synthetic Primer
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166 caggagaaag tgatggagtc                                          20
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171 <213> ORGANISM: Artificial Sequence
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177 ggagaccacc aaaccctcca aa                                       22
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195 <220> FEATURE:
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Input Set : A:\50195.008003.SEQLIST.TXT
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256 <210> SEQ ID NO: 21
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258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
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278 <210> SEQ ID NO: 23
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280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
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289 <210> SEQ ID NO: 24
290 <211> LENGTH: 23
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Synthetic Primer
297 <400> SEQUENCE: 24
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301 <211> LENGTH: 20
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Synthetic Primer
308 <400> SEQUENCE: 25
309 caggagaaag tgatggagtc                                 20
311 <210> SEQ ID NO: 26
312 <211> LENGTH: 22
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic Primer
319 <400> SEQUENCE: 26
320 gtcatcatct ctgccccttc tg                              22
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323 <211> LENGTH: 22
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Synthetic Primer
330 <400> SEQUENCE: 27
331 aacaacttct tgatgtcatc at                              22
333 <210> SEQ ID NO: 28
334 <211> LENGTH: 29
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        RAW SEQUENCE LISTING ERROR SUMMARY        DATE: 08/14/2002
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        Input Set : A:\50195.008003.SEQLIST.TXT
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:48; N Pos. 736,737,738,739,740,741,742,743,744,745,746,747,748,749,750
Seq#:48; N Pos. 751,752,753,754,755,756,757,758,759,760,761,762,763,764,765
Seq#:48; N Pos. 766,767,768,769,770,771,772,773,774,775,776,777,778,779,780
Seq#:48; N Pos. 781,782,783,784,785,786,787,788,789,790,791,792,793,794,795
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Seq#:48; N Pos. 826,827,828,829,830,831,832,833,834,835,836,837,838,839,840
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Input Set : A:\50195.008003.SEQLIST.TXT
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VERIFICATION SUMMARY   DATE: 08/14/2002
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Input Set : A:\50195.008003.SEQLIST.TXT
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L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:660
L:597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:720
L:598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:780
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:840
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:900
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:960
L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1020
L:603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1080
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1140
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1200
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L:608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1380
L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1440
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L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:1560
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L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:120
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:120
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